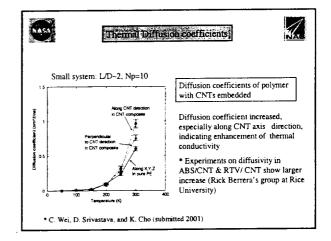
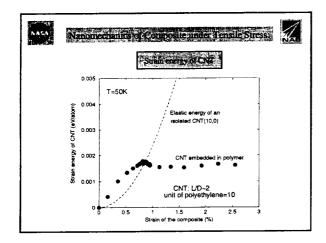
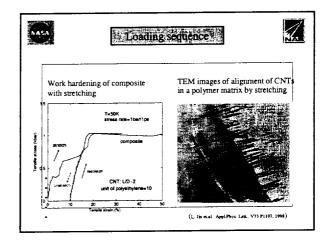
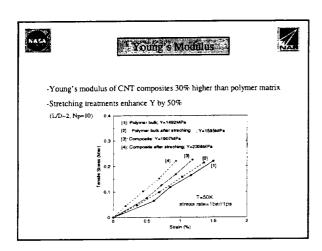


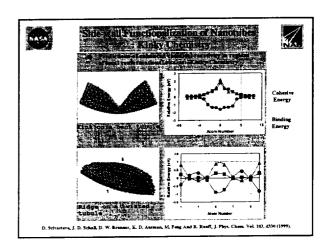
- Thermal conductivity of single-wall nanotubes
- Nanotube/polymer composites as high thermal expansion coefficient materials
- Thermal conductivity of nanotube/polymer composite

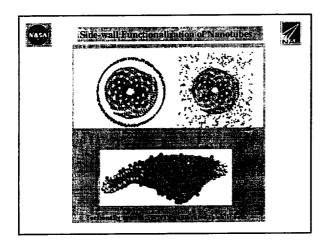


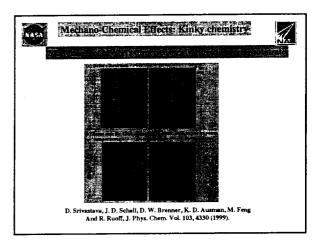


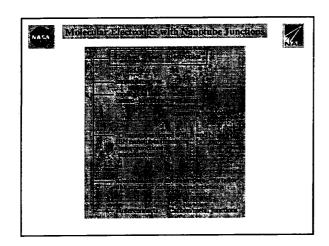


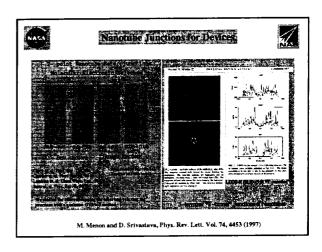


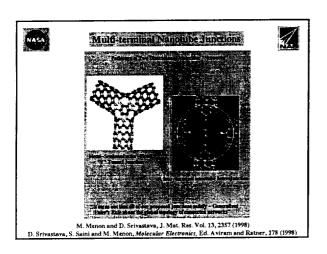


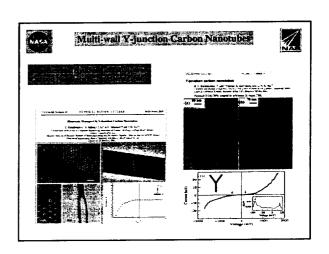


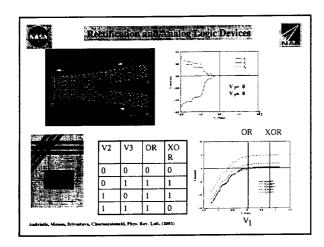


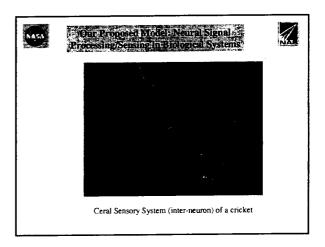


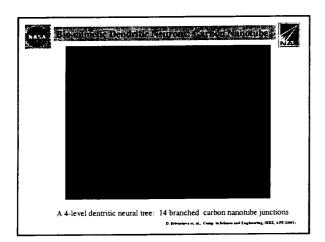


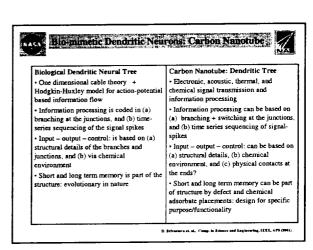


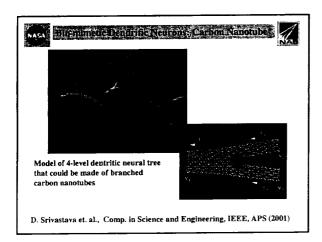


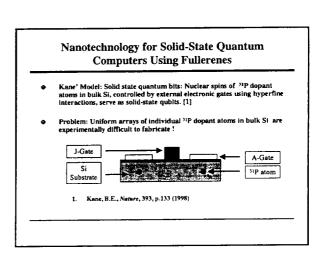


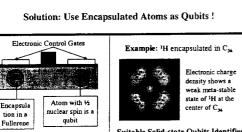






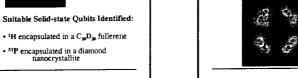


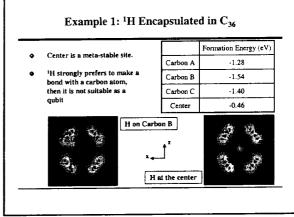


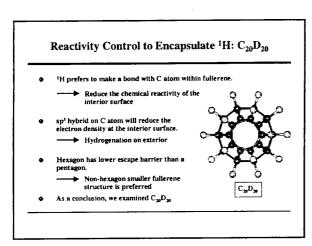


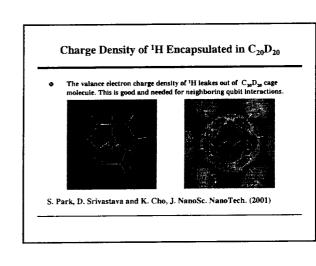
Proposal: Arrays of "encapsulated" atoms (with ½ nuclear spin – qubits) will be easy to fabricate as compared

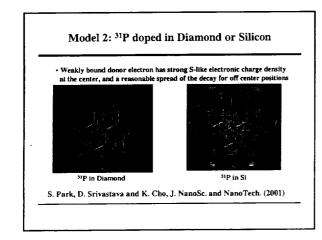
to the arrays of the similar bare atoms

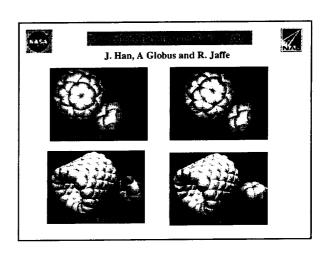


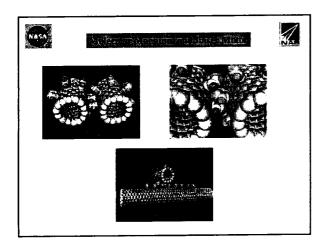


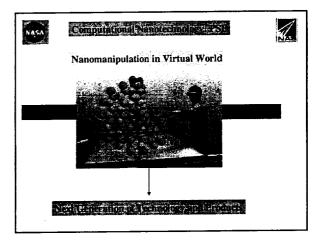
















- Nanomechanics of Individual Nanotubes and Comparison with Experiments: (Nanotube + Polymer Composite)
- Kinky Chemistry and Functionalization of Nanotubes: (Generalized to a universal theory of reaction)
- Temperature Dependence of Thermal Conductivity (Generalized to Multi-wall nanotubes and nanotube junctions)
- Rectification and Switches with Nanotube Y-Junctions (Generalized a variety of logic gates and devices)
- Solid State Quantum Bits: (Initiate Experimental Efforts)
- D. Srivastava, M. Menon and K. Cho, invited review article, Computing In Engineering and Sciences, submitted (2001)